

Substitute for form 1449/PTO		<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	09/805,500
(use as many sheets as necessary)		Filing Date	03/13/2001
(use as many sheets as necessary)		First Named Inventor	Arun Ayyagari
(use as many sheets as necessary)		Art Unit	2662
(use as many sheets as necessary)		Examiner Name	Cho, Hong Sol
Sheet	1	of	8
		Attorney Docket Number	
		164136.01	

Examiner Signature	Wongefahr	Date Considered	6/9/05
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

*Complete if Known*

Application Number	09/805,500
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First Named Inventor	Arun Ayyagari
Art Unit	2662
Examiner Name	Cho, Hong Sol

Sheet

2

of

8

Attorney Docket Number

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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
HC	1-1	BREWER, E. A., et al., "A Network Architecture for Heterogeneous Mobile Computing", <i>IEEE Personal Communications</i> , IEEE Communications Society, US, vol. 5, No. 5, 1 October 1998, pages 8-24	<input type="checkbox"/>
HC	1-2	MOULY, M., et al., "The GSM System for Mobile Communications Passage", <i>GSM System for Mobile Communications</i> , 1992, pages 446-459	<input type="checkbox"/>
HC	1-3	PERKINS, C. E., "Mobile-AP, Ad-Hoc Networking, and Nomadicity", <i>Proceedings of the 20<sup>th</sup> Annual International Computer Software and Applications Conference (COMPSAC)</i> , Seoul, Aug. 21-23, 1996. <i>Proceedings of the Annual International Computer Software and Applications Conference (COMPSAC)</i> , Los Alamitos, IEEE Comp., Vol. CONF. 20, 21 August 1996, pages 472-476.	<input type="checkbox"/>
HC	1-4	ADACHI, T., et al., "A Handoff Examination Of A Hybrid System Using Cellular And Ad-Hoc Modes", <i>IEICE Transactions on Communications</i> , Institute of Electronics Information and Comm. Eng. Tokyo, Japan, Vol. E83-B, No. 11, November 2000, pages 2494-2500.	<input type="checkbox"/>
HC	1-5	BRECHER, et al., "Broad-band Wireless Access and Future Communications Networks", <i>Proceedings of the IEEE</i> , Vol. 89, No. 1, January 2001	<input type="checkbox"/>

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HC	2-1	Atheros Communications, AR5001X Combo WLAN Solution Brochure, retrieved from <a href="http://www.atheros.com">www.atheros.com</a> pp. 1-2			<input type="checkbox"/>
HC	2-2	NOBEL, CARMEL, "For WLAN, It's 802.11bm" Eweek retrieved from <a href="http://www.eweek.com/print_article/0.3668.a=18648.00.asp">www.eweek.com/print_article/0.3668.a=18648.00.asp</a> (November 19, 2001) pp. 1-2			<input type="checkbox"/>
HC	2-3	NANDAGOPAL, T., et al., "A Unified Architecture for the Design and Evaluation of Wireless Fair Queuing Algorithms", ACM MobiCom 1999, in proceedings of the <i>Fifth Annual ACM/IEE International Conference on Mobile Computing and Networking</i> (August 1999) pp. 132-142			<input type="checkbox"/>
HC	2-4	KESHAV, S., "On the Efficient Implementation of Fair Queuing" <i>Internetworking Research and Experience</i> , Vol. 2, No. 3, 157-173 (1991)			<input type="checkbox"/>

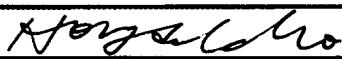
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He	2-5	BHARGHAVAN, V., et al., "Fair Queuing in Wireless Networks: Issues and Approaches", <i>IEEE Personal Communications Magazine</i> , pp. 44-53 (February 1999)			<input type="checkbox"/>
He	2-6	PAREKH, A.K., et al., "A Generalized Processor Sharing Approach to Flow Control in Integrated Services Networks: The Single-Node Case", <i>IEEE/ACM Transactions on Networking</i> , Vol. 1, No. 3, pp. 344-357 (June 1994)			<input type="checkbox"/>
He	2-7	PAREKH, A.K., et al., "A Generalized Processor Sharing Approach to Flow Control in Integrated Services Networks: The Multiple Node Case", <i>IEEE/ACM Transactions on Networking</i> , Vol. 2, No. 2, pp. 137-150 (March 1994)			<input type="checkbox"/>
He	2-8	NG, T.S., "Packet Fair Queuing: Algorithms for Wireless Networks with Location-Dependent Errors", <i>Proceedings of IEEE INFOCOM '98, The Conference on Computer Communications</i> Vo. 3, <i>Seventh Annual Joint Conference of the IEEE Computer and Communications Societies</i> , pp. 1103-1111 (March 1998)			<input type="checkbox"/>
He	2-9	LETTIERI, et al., "Advances in Wireless Terminals", <i>IEEE Personal Communications</i> , Vol. 6, No. 1, (February 1999), pp. 6-19			<input type="checkbox"/>

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HC	2-10	YUNG-HSIANG LU, et al., "Requester-Aware Power Reduction", <i>IEEE</i> ; 20 September 2000 (2000-09-02), pp. 18-23		
HC	2-11	BENINI, et al., "System-level Dynamic Power Management", <i>Low Power Design</i> , 1999; Proceedings. IEEE Alessandro Volta Memorial Workshop on Como, Italy 4-5 March 1999, Los Alamitos, CA, USA, <i>IEEE Comput. Soc</i> , US, 4 March 1999 (1999-03-04), pp. 23-31		
HC	3-1	LIU, JUN, et al., "Using Loss Pairs to Discover Network Properties", <i>ACM SIGCOM Internet Measurement Workshop</i> , 2001, 12 pages		
HC	3-2	ZHANG, YIN, et al., "On the Constancy of Internet Path Properties", <i>SIGCOM Internet Measurement Workshop</i> , 2001, 15 pages		
HC	3-3	LAI, KEVIN, et al., "Measuring Link Bandwidths Using A Deterministic Model of Packet Delay", in <i>Proceedings of ACM SIGCOM 2000</i> , 12 pages		

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HC	3-4	BALAKRISHNAN, HARI, et al., "Analyzing Stability in Wide-Area Network Performance", <i>In Proceedings of CAN SIGMETRICS Conference on Measurement &amp; Modeling of Computer Systems</i> , Seattle, WA, June 1997, 11 pages			<input type="checkbox"/>
HC	3-5	YAVATKAR, R., et al., "SBM (Subnet Bandwidth Manager): A Protocol for RSVP-based Admission Control Over IEEE 802-style Networks", <i>IETF RFC 2814</i> , retrieved from <a href="http://www.ietf.org/rfc/rfc2814.html">http://www.ietf.org/rfc/rfc2814.html</a> on May 19, 2002			<input type="checkbox"/>
HC	3-6	BRESLAU, LEE, et al., "Endpoint Admission Control: Architectural Issues and Performance", <i>In Proceedings of ACM SIGCOMM 2000</i> , 66. 57-69			<input type="checkbox"/>
HC	3-7	CHAISSEURINI, CARLA F., "Combining Paging with Dynamic Power Management", in <i>IEEE INFOCOM 2001</i> , pp. 996-1004			<input type="checkbox"/>
HC	3-8	SHIH, EUGENE, et al., "Wake on Wireless: An Event Driven Energy Saving Strategy for Battery Operated Devices ", <i>MOBICOM '02</i> , September 23-26, 2002, pp. 1-12			<input type="checkbox"/>

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HC	4-1	Riku METTALA et al., <u>Bluetooth Protocol Architecture</u> (White Paper), v1.0, Nokia Mobile Phones, Sept. 29, 1999			<input type="checkbox"/>
HC	4-2	Brent MILLER et al., <u>Mapping Salutation Architecture APIs to Bluetooth Service Discovery Layer</u> (White Paper), v. 1.0, IBM Corporation, July 1, 1999			<input type="checkbox"/>
HC	4-3	IEEE Standard, 802.11, <u>Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications</u> , 1 <sup>st</sup> Ed. 1999, and Supplements 802.11a- 1999 and 802.11b- 1999.			<input type="checkbox"/>
HC	4-4	C. RIGNEY et al., RFC 2865, "Remote Authentication Dial in User Service (Radius)", The Internet Society, June 2000			<input type="checkbox"/>
HC	4-5	B. ABODA and D. SIMON, RFC 2716, "PPP EAP TLS Authentication Protocol", The Internet Society, Oct. 1999			<input type="checkbox"/>

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HC	4-6	L. BLUNK and J. VOLLBRECHT, RFC 2284, "PPP Extensible Authentication Protocol (EAP)", The Internet Society, March 1998			<input type="checkbox"/>
HC	4-7	IEEE 802.11 Security White paper, v0.1, Windows Network Infrastructure team, Microsoft Corporation, March 15, 2000			<input type="checkbox"/>
HC	4-8	T. MULLER, Bluetooth Security Architecture (White Paper), v.1.0, July 15, 1999			<input type="checkbox"/>
HC	4-9	IEEE 802.1X Supported Scenarios, Windows Network Infrastructure team, Microsoft Corporation, v0.1, April 7, 2000			<input type="checkbox"/>
HC	5-1	GUO et al., "Low power distributed MAC for ad hoc sensor radio networks," Proceedings of IEEE Global Telecommunications Conference (GLOBECOM '01), Volume 5, November 25-29, 2001			<input type="checkbox"/>
HC	5-2	INTEL., "Sample Installation Scenarios," Intel Wireless Gateway, pages 1-3, October 9, 2001			

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**Substitute for form 1449A/B/PTO**

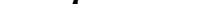
## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 2 of 2

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				 Application Number 09/805,500 Filing Date March 13, 2001 First Named Inventor AYYAGARI Group Art Unit 2152 Examiner Name _____ Attorney Docket Number 207199	
Sheet	2	of	2		

## OTHER - NON PATENT LITERATURE DOCUMENTS

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- A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).
- An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).



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Substitute for form 1449A/B/PTO		PAPER TRADE		Complete if Known	
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		Filing Date		March 13, 2001	
		First Named Inventor		AYYAGARI	
		Group Art Unit		2152	
		Examiner Name			
Sheet	1	of	2	Attorney Docket Number	
				207199	

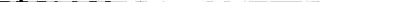
## U.S. PATENT DOCUMENTS

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Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date if Appropriate
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## FOREIGN PATENT DOCUMENTS

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			Yes	No <sup>++</sup>
A-A		<u>Specification of the Bluetooth System, v.1.0B, Dec. 1, 1999.</u>		
A B		<u>Riku METTALA et.al., Bluetooth Protocol Architecture (White Paper), v1.0, Nokia Mobile</u>		
		<u>Phones, Sept. 29, 1999.</u>		
A C		<u>Brent MILLER et.al., Mapping Salutation Architecture APIs to Bluetooth Service</u>		
		<u>Discovery Layer (White Paper), v. 1.0, IBM Corporation, July 1, 1999.</u>		
A D		<u>IEEE Standard, 802.11, Part 11: Wireless LAN Medium Access Control (MAC) and</u>		
		<u>Physical Layer (PHY) Specifications, 1<sup>st</sup> Ed. 1999, and Supplements 802.11a-1999 and</u>		
A E		<u>802.11b-1999.</u>		
A F		<u>Bob O'HARA and Al PETRICK, IEEE 802.11 Handbook A Designer's Companion, Dec.</u>		
		<u>1999.</u>		

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SUPPLEMENTAL  
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		MOULY, M. et al., <i>The GSM System for Mobile Communications Passage, GSM System, for Mobile Communications</i> , 1992, pages 446-459.			
		PERKINS, C. E., <i>Mobile-AP, Ad-Hoc Networking, and Nomadicity</i> , Proceedings of the 20 <sup>th</sup> Annual International Computer Software and Applications Conference (COMPSAC). Seoul, Aug. 21-23, 1998, Proceedings of the Annual International Computer Software and Applications Conference (COMPSAC), Los Alamitos, IEEE Comp., Vol. CONF. 20, 21 August 1998, pages 472-476.			
		ADACHI, T., et al., <i>A Handoff Examination Of A Hybrid System Using Cellular And Ad-Hoc-Modes</i> , IEICE Transactions on Communications, Institute of Electronics Information and Comm. Eng. Tokyo, Japan, Vol. E83-B, No. 11, November 2000, pages 2494-2500.			
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JULY 11 2004

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**Date Considered**

9/28/04

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<p>Substitute for form 1449A/B/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(Use as many sheets as necessary)</p>				<p><i>SEARCH &amp; TRADEMAKES</i></p> <p><b>Complete if Known</b></p> <table border="1"> <tr> <td>Application Number</td> <td>09/805,500</td> </tr> <tr> <td>Filing Date</td> <td>March 13, 2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Arun Ayyagan</td> </tr> <tr> <td>Group Art Unit</td> <td>2152</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> </table> <p><b>RECEIVED</b></p> <p>JUN 15 2004</p>		Application Number	09/805,500	Filing Date	March 13, 2001	First Named Inventor	Arun Ayyagan	Group Art Unit	2152	Examiner Name	Unknown
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Sheet	1	of	3	Attorney Docket Number	207199 Technology Center 2600										

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**OTHER - NON PATENT LITERATURE DOCUMENTS**

OTHER - NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation
			Yes No <sup>+</sup>
hc		BENINI, LUCA, et al., "Monitoring System Activity for OS-Directed Dynamic Power Management", <i>In Proceedings of 1998 ACM ISLPED</i> , pp. 185-190	
hc		BENINI, LUCA, et al., "Dynamic Power Management of Electronic Systems", in <i>Proceedings of the 1998 IEEE/ACM ICCAD</i> , November 8-12, 1998, San Jose CA, pp. 698-704	
hc		HINCKLEY, K., et al., "Sensing Techniques for Mobile Interaction", <i>ACM UIST 2000 Symposium on User Interface Software &amp; Technology</i> , CHI Letters 2 (2), pp. 91-100	✓
hc		Intel Microsoft Toshiba, "Advanced Configuration and Power Interface", Revision 1.0, February 2, 1999, 323 pages	✓

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**Examiner Signature**

## Alors que

### Date Considered

9/24/04

- A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).
- An English-language equivalent/patient, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).